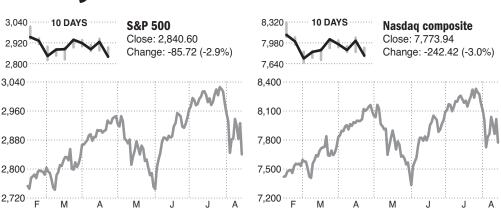
Money & Markets



Northwest Stocks

Major indexes

Dow Jones	LAST	% CHG
30 industrial	25,479.42	-3.05
20 transp.	9,842.40	-3.02
15 utilities	818.21	85
Standard & Po	oor's LAST	% CHG
500 Stocks	2840.60	-2.93
400 Mid-cap	1837.99	-2.93
600 Small-cap	902.75	-2.92
NYSE	LAST	% CHG
US 100	10,342.05	-2.86
Energy	8,995.02	-3.75
Financial	7,610.89	-3.00
Healthcare	15,841.76	-2.76
Nasdaq	LAST	% CHG
Industrials	6,258.91	-3.02
Financial	8,804.83	-2.38
Nasd Global Se	l 3,663.57	-3.04
Nasd Global MI	kt 2,345.60	-2.87
Other indexe	s LAST	% CHG
Wilshire 5000	29,107.05	-2.91

1,572.57 1,467.52

7,147.88 25,302.28

38,650.09 20,655.13

1 938 37

-2.19

-1.42 +.08

+.98

+.65

+.03

+.63

Foreign markets LAST % CHG 11,492.66

	_,
Singapore	3,147.60
Taipei	10,427.73
Toronto	16,045.94

Russell 1000

Russell 2000 Russell 3000

Frankfurt

Hong Kong Mexico

London

Tokyo

Seoul

Toronto	16,0	45.94	-1.86
	NYSI	E	
Volume	4	1,204,6	27,999
Advanced		190,8	14,587
Declined	3	3,992,7	23,485
Unchanged	d	21,0	89,927
Gainers	LAST	CHG	% CHG
BigB 3xIn r	n 52.70	+5.27	+11.1
ParkrDrl	12.42	+1.09	+9.6
EldrGld g r	s 8.55	+.46	+5.7
MaidHld 4		+.94	+4.3
PerfFood n		+1.72	+3.9
500.com	9.89	+.36	+3.8
HavertyA	19.06	+.66	+3.6
SafeBlk pf0	21.92	+.70	+3.3
AvayaHl n	12.15	+.35	+3.0
AnglogldA	20.14	+.57	+2.9
Losers	LAST	CHG	% CHG
CorePtLd n	9.10	-1.80	-16.5
CalifRes rs	9.36	-1.56	-14.3
Macys	16.80	-2.56	-13.2
Edenor	6.46	94	-12.7
SM Energy	9.04	-1.23	-12.0
UtdNtrlF	7.11	92	-11.5
RiteAid rs	5.81	74	-11.3
Kohls	45.11	-5.56	-11.0
Nordstrm	26.02	-3.10	-10.6
TevaPhrm	6.30	74	-10.5
Most	VOLUME		
active	(IN 00S)	LAST	% CHG
BkofAm	1064691	26.42	-4.7
GenElec	891021	9.03	-3.4
Macys	650255	16.80	-13.2
F J A A	450104	0.00	2.0

FrptMcM 272649 9.36 -5.4

459194 TevaPhrm 399687

 Pfizer
 366365
 34.24
 -2.7

 AT&T Inc
 345591
 34.09
 -2.2

 Citigroup
 293544
 61.41
 -5.3

FordM

9.00 -2.8 6.30 -10.5

N	asda	pe	
Volume	:	2,408,4	90,696
Advanced		303,8	57,595
Declined		2,080,7	44,858
Unchanged		23,8	88,243
Gainers	LAST	CHG	% CHG
Novavx rs	6.04	+1.74	+40.5
SolidBio n	6.40	+1.23	+23.8
Presidio n	16.10	+2.91	+22.1
Purplinv n	7.77	+1.23	+18.8
InMode n	16.25	+2.25	+16.1
ArcadB rsn	7.05	+.96	
PLX Phr rs	6.10	+.77	+14.4
SyrosPhar n	9.93	+1.16	+13.2
ItamarMd n	10.14	+.98	+10.7
Radcom	9.26	+.89	+10.6
Losers	LAST	CHG	% CHG
MyriadG	25.50	-19.05	-42.8
Puyi Inc n	8.83	-2.75	
Overstk	15.97	-4.61	-22.4
Otelco	11.72	-3.25	-21.7
ACM Rsc n	14.51	-3.80	-20.8
FortySev n	6.66	-1.56	-19.0
SonimTc n	7.19	-1.65	-18.7
LuckinCf n	20.44	-4.11	-16.7
TargtHosp	6.60	-1.30	-16.5
The Real n	14.28	-2.72	-16.0

Most VOLUME active

AMD	1271461	30.24	-5.8
Apple Inc	361048	202.75	-3.0
Microsoft	319345	133.98	-3.0
Zynga	312161	5.68	-4.1
JD.com	299878	29.63	-3.4
Cisco	294811	50.61	-4.0
Intel	253223	45.87	-2.1
MicronT	245373	42.04	-4.8
SiriusXM	230507	6.00	-1.3
CaesarsEnt	216395	11.46	-1.2

Northwest stocks

Gainers	LAST CHG		% CHG
Microvision	.66	+.09	+16.2
Marchex	3.53	+.07	+2.0
Adaptive Biote	ch43.49	+.41	+1.0
AptevoTher	.75	+.01	+.9
Schmitt	2.11	+.01	+.6
Cray	34.60	01	
SoundFinan	34.38	+.01	
JewettCam	8.26		
IsoRay	.33		
Losers	LAST	CHG	% CHG

eMagin	.28	06	-17.6
Nordstrom	26.02	-3.10	-10.6
CraftBrew	12.77	-1.20	-8.6
HeclaMin	1.44	10	-6.5
Greenbrier	22.82	-1.50	-6.2
Bsquare	1.22	08	-6.2
RiverviewB	7.47	49	-6.2
Atossa	2.17	14	-6.1
Nautilus	1.25	08	-6.0
Most	VOLUME		

active	(IN 00S)	LAST	% CHG
Microsoft	319345	133.98	-3.0
MicronT	245373	42.04	-4.8
HeclaMin	119557	1.44	-6.5

Starbucks 99473 94.92 -1.8 Nordstrom 98113 26.02 -10.6

Boeing Amazon Lattice

72659 81.03 -2.7 50629 320.42 -3.7 485401762.96 -3.4

34969 18.45 -3.3

Prices for most active publicly held companies in Washington, Oregon and Idaho. Footnote definitions: http://markets.ap.org/footnotes.htm

COMPANY	TICKER	LOW	52-WEEK RANGE	HIGH	LAST	NET CHG	CHG
Achieve LifeSci Adaptive Biotech	ACHV ADPT	1.05 34.11	♦	5.25 51.00	1.79 43.49	11 +.41	-5.8 +1.0
Alaska Air	ALK	53.39	*	74.83	59.23	-1.94	-3.2
AlderBio	ALDR	8.65	~	19.65	9.50	31	-3.2
Alpine ImmSci	ALPN	3.41	\$	8.24	3.50	06	-1.7
Amazon	AMZN	1307.00		2050.50	1762.96	-61.38	-3.4
AptevoTher	APVO	0.49	\$	5.80	.75	+.01	+0.9
Atossa	ATOS	0.80	→	7.39	2.17	14	-6.1
Avalara	AVLR	28.09	→	94.31	84.33	-1.40	-1.6
Avista Banner Corp	AVA BANR	39.75 48.50	→	52.70 67.11	45.67 53.55	59 -1.12	-1.3 -2.0
BarrettBus	BBSI	53.10	~	91.92	87.53	-2.20	-2.5
BioLife Solutions	BLFS	9.15	→	26.35	17.81	51	-2.8
Boeing	BA	292.47	~	446.01	320.42	-12.44	-3.7
BoiseCascad	BCC	22.00	-	47.15	28.86	34	-1.2
Bsquare	BSQR	1.16	\$	2.85	1.22	08	-6.2
CTI BioPharm	CTIC	0.60	~ —	2.30	.66	01	-1.6
CUI Global	CUI	0.63	~	2.40	.64	04	-5.6
ClearSign	CLIR	0.75	~	2.25	1.14	03	-2.6
Clearwater	CLW	15.25 11.85	←	35.27 18.90	16.94	71 27	-4.0 -1.8
Coastal Fincl ColumbBank	CCB COLB	30.65	→	43.61	14.71 33.74	27 97	-2.8
ColumbSportx	COLM	80.03	→	109.74	94.61	-4.14	-4.2
Costco	COST	189.51		284.31	268.15	-8.11	-2.9
CraftBrew	BREW	13.16	~ —	19.95	12.77	-1.20	-8.6
Cray	CRAY	18.76		36.64	34.60	01	
Data IO	DAIO	3.61	\$	6.88	3.77	05	-1.3
Digimarc	DMRC	14.03		66.50	41.30	-2.16	-5.0
Xp World Hldg	EXPI	6.61	→	19.72	9.33	21	-2.2
eMagin	EMAN	0.30	~	1.65	.28	06	-17.6
Expedia	EXPE EXPD	108.11	→	144.00	126.65 70.20	-2.50	-1.9 -2.0
Expeditors 5 Networks	FFIV	62.90 129.16	*	80.69 199.71	127.63	-1.40 -3.98	-2.0 -3.0
LIR Sys	FLIR	40.52	~	63.88	45.90	-1.45	-3.1
S Bancorp	FSBW	41.25	~	61.00	48.03	55	-1.1
FirstFinNW	FFNW	13.26	~	18.00	14.35	19	-1.3
ortive	FTV	62.89	~	89.48	67.33	-2.68	-3.8
unko Inc	FNKO	11.22		31.12	23.36	44	-1.8
Greenbrier	GBX	23.92	~ —	64.87	22.82	-1.50	-6.2
HeclaMin	HL	1.21	~	3.12	1.44	10	-6.5
HeritageFin	HFWA	26.00	~	37.40	26.90	64	-2.3
HomeStreet	HMST	20.50	→	31.96	25.82 104.95	-1.20	-4.4
dacorp mpinj	IDA PI	89.31 13.25	→	106.20 40.24	36.08	20 -1.93	-0.2 -5.1
ntellicheck	IDN	1.91	→	6.92	4.01	16	-3.8
soRay	ISR	0.27	*	0.61	.33		
tron	ITRI	44.35	─	69.09	66.92	-1.08	-1.6
ewettCam	JCTCF	6.23	>	10.00	8.26		
(eyTronic	KTCC	4.83	~ —	8.08	5.31	04	-0.7
_attice	LSCC	5.38		20.90	18.45	63	-3.3
ithiaMot	LAD	67.90	─	139.18	128.25	-3.29	-2.5
Marchex	MCHX	2.47	→	5.57	3.53	+.07	+2.0
MicronT	MU	28.39	→	53.68	42.04	-2.13	-4.8
Microsoftx Microvision	MSFT MVIS	93.96 0.51	→	141.68 1.44	133.98 .66	-4.16 +.09	-3.0 +16.2
nLIGHT Inc	LASR	13.56	*	35.73	14.14	+.05 71	-4.8
NanoString	NSTG	13.26	→	34.78	26.52	14	-0.5
Nautilus	NLS	1.30	~	15.35	1.25	08	-6.0
Nike	NKE	66.53	─	90.00	81.03	-2.29	-2.7
Nordstrom	JWN	28.02	\$	67.75	26.02	-3.10	-10.6
NWNatHldg	NWN	57.20		73.50	70.42	08	-0.2
NWPipe	NWPX	16.52		26.71	25.42	64	-2.5
Omeros	OMER	10.30	→	27.00	19.12	07	-0.4
Paccar	PCAR	53.43	→	73.00	63.34	-3.00	-4.5
PetIQ	PETQ	21.29	→	43.93	32.16	-1.60	-4.7
PopeResourc PortlandGen	POPE POR	62.50 43.73	→	73.50 55.98	70.00 55.19	 47	 3.0-
PotlatchDeltic	PCH	28.07	→	48.70	36.04	86	-2.3
RadiantLog	RLGT	4.06	→	7.33	4.73	26	-5.2
RealNetwork	RNWK	1.43	~	3.51	1.66	09	-5.:
RedLionH	RLH	5.72	~	14.75	5.66	15	-2.
Redfin	RDFN	13.50		23.47	17.77	43	-2.4
RiverviewB	RVSB	5.46	-	9.99	7.47	49	-6.2
Schmitt	SMIT	2.04	~	3.04	2.11	+.01	+0.0
Chnitzor	SCHN	20.94	~	29.90	23.09	69	-2.9
	SGEN	50.71 20.34	→	84.37 55.79	76.98 45.40	-1.78 -2.17	-2.: -4.
SeattleGen	CVVVD	20.34	→	55.79 40.87	45.40 34.38	-2.17 +.01	
SeattleGen Smartsheet	SMAR SEBC	32 N1	-				-1.
SeattleGen Smartsheet SoundFinan	SFBC	32.01 51.47		99.77	94.97	-1.71	
SeattleGen Smartsheet SoundFinan Starbucks		32.01 51.47 59.96	→	99.72 85.22	94.92 76.93	-1.71 69	
SeattleGen Smartsheet SoundFinan Starbucks T-MobileUS	SFBC SBUX	51.47					-0.
SeattleGen Smartsheet SoundFinan Starbucks F-MobileUS FimberlandBx	SFBC SBUX TMUS	51.47 59.96	→ → ←	85.22	76.93	69	-0. -1.
SeattleGen Smartsheet SoundFinan Starbucks I-MobileUS IimberlandBx TrueBlue	SFBC SBUX TMUS TSBK	51.47 59.96 21.91 18.62 22.38	→	85.22 36.90	76.93 23.62	69 42	-0.9 -1.3 -3.3 -5.9
SeattleGen Smartsheet SoundFinan Starbucks I-MobileUS FimberlandBx FrueBlue Trupanion	SFBC SBUX TMUS TSBK TBI TRUP ECOL	51.47 59.96 21.91 18.62 22.38 54.24	→	85.22 36.90 29.85	76.93 23.62 19.29 29.49 60.63	69 42 64 -1.71 -1.09	-0.9 -1.3 -3.3 -5.9
Schnitzer SeattleGen Smartsheet SoundFinan Starbucks T-MobileUS TimberlandBx TrueBlue Trupanion USEcology Umpqua	SFBC SBUX TMUS TSBK TBI TRUP ECOL UMPQ	51.47 59.96 21.91 18.62 22.38 54.24 15.09	→	85.22 36.90 29.85 40.26 77.15 22.26	76.93 23.62 19.29 29.49 60.63 15.48	69 42 64 -1.71 -1.09 64	-0.9 -1.7 -3.7 -5.9 -1.8 -4.0
SeattleGen Smartsheet SoundFinan Starbucks I-MobileUS IimberlandBx IrueBlue Irupanion USEcology Umpqua WashFed	SFBC SBUX TMUS TSBK TBI TRUP ECOL UMPQ WAFD	51.47 59.96 21.91 18.62 22.38 54.24 15.09 24.67	→	85.22 36.90 29.85 40.26 77.15 22.26 37.25	76.93 23.62 19.29 29.49 60.63 15.48 33.94	69 42 64 -1.71 -1.09 64 -1.27	-0.9 -1.3 -3.3 -5.9 -1.8 -4.0 -3.0
SeattleGen Smartsheet SoundFinan Starbucks I-MobileUS IimberlandBx IrueBlue Irupanion USEcology Umpqua WashFed Weyerhaeus	SFBC SBUX TMUS TSBK TBI TRUP ECOL UMPQ WAFD WY	51.47 59.96 21.91 18.62 22.38 54.24 15.09 24.67 20.52	→ → → → → →	85.22 36.90 29.85 40.26 77.15 22.26 37.25 35.79	76.93 23.62 19.29 29.49 60.63 15.48 33.94 24.50	69 42 64 -1.71 -1.09 64 -1.27 59	-0.: -1.: -5.: -1.: -4.: -3.: -2.:
SeattleGen Smartsheet SoundFinan Starbucks I-MobileUS IimberlandBx IrueBlue Irupanion USEcology Umpqua WashFed	SFBC SBUX TMUS TSBK TBI TRUP ECOL UMPQ WAFD	51.47 59.96 21.91 18.62 22.38 54.24 15.09 24.67	→	85.22 36.90 29.85 40.26 77.15 22.26 37.25	76.93 23.62 19.29 29.49 60.63 15.48 33.94	69 42 64 -1.71 -1.09 64 -1.27	-0.9 -1.7 -3.7 -5.9 -1.8 -4.0

Mutual funds

15 largest stock funds

Fund indexes

FUND	NAV	4-WK %RTN		MORNINGSTAR	TOTA 1 WK	L % RTI YTD
10110	11/1/	70ICI11	70 KIIN	MORITINOSTAR	I VVK	111
Vanguard 500IdxAdmrl	262.71	-5.6	+14.7	Bear Market	1.89	-13.07
Vanguard TtlSMIdxAdmrl	70.50	-5.7	+14.6	Intermediate Core	0.38	7.79
Fidelity 500IdxInsPrm	98.92	-5.6	+14.7	Convertibles	-0.44	14.69
Vanguard TtlnSldxInv	15.77	-7.1	+5.5	Divers. Pacific Asia	-1.74	4.33
Vanguard TtlSMIdxIns	70.52	-5.7	+14.6	High Yield Muni	0.53	8.36
Vanguard TtlSMIdxInv	70.47	-5.7	+14.5	High Yield Bond	-0.01	8.38
Vanguard InsidxinsPlus	257.81	-5.6	+14.8	Large Growth	-1.34	18.05
Vanguard Insidxins	257.79	-5.6	+14.7	Large Value	-1.93	9.60
Vanguard TtlnSldxInsPlus	105.55	-7.0	+5.6	Mid-Cap Growth	-1.49	22.34
Fidelity Contrafund	12.69	-6.8	+16.3	Mid-Cap Value	-2.59	10.28
American Funds GrfAmrcA m	48.19	-6.6	+12.7	Small Growth	-2.06	17.13
Vanguard WlngtnAdmrl	70.80	-2.0	+12.0	Equity Prec. Metals	-2.21	32.80
Vanguard TtlnSldxAdmrl	26.39	-7.0	+5.6	Technology	-1.56	21.71
Dodge & Cox Stk	177.64	-6.8	+7.4	Small Value	-2.67	5.61
American Funds AmrcnBalA m	26.97	-2.8	+9.5	World Large Stock	-1.67	11.31
				-		

Bonds/interest rates/commodities

Bond yields	LAST	PVS	CHG	WK	MO	QTR	YR AGO
Barclays USAggregate	2.30	2.23	+0.07	A	•	•	3.31
Barclays US HY Bd	5.99	6.09	-0.10	•	A	•	6.29
Moodys AAA Corp Idx	3.01	3.01		•	•	•	3.92
Barclays US Corp	2.97	2.92	+0.05	•	•	•	3.95

Treasury yields	LAST	PVS	CHG	WK	MO	QTR	YR AGO
3-month T-bill	1.95	2.00	-0.05	▼	•	▼	2.07
6-month T-bill	1.90	1.95	-0.05	•	•	▼	2.23
52-wk T-bill	1.81	1.84	-0.03	A	•	▼	2.44
2-year T-note	1.56	1.65	-0.09	A	•	•	2.62
5-year T-note	1.48	1.56	-0.08	•	•	•	2.76
10-year T-note	1.58	1.68	-0.10	•	•	•	2.89
30-year T-bond	2.02	2.13	-0.11	•	•	•	3.06

Interest rates	RATE	WK AGO	Commodity prices
Prime rate	5.25	5.25	Gold (troy oz)
Discount rate	2.75	2.75	Silver (troy oz)
Fed funds rate 2.	00-2.25	2.00-2.25	Copper (pound)
Money market acct. (Wash avg., \$10K)	0.42	0.42	Oil futures, light sweet crude (barrel)
Wash. mortgage (Avg 30-yr fixed)	3.73	3.85	Wheat (bushel) (Chicago Board of Trade

Gold (troy oz)	\$1515.90	+\$13.70
Silver (troy oz)	\$17.25	+\$.29
Copper (pound)	\$2.59	-\$.03
Oil futures, light sweet crude (barrel)	\$55.23	-\$1.87
Wheat (bushel) (Chicago Board of Trade)	\$4.74	+\$.02